



# DENVER AMENDMENT PROPOSAL FORM FOR PROPOSALS TO THE 2019 DENVER BUILDING CODE AMENDMENTS AND THE 2021 INTERNATIONAL CODES

**DENVER**  
THE MILE HIGH CITY

## 2021 CODE DEVELOPMENT CYCLE

1) **Name:** CCD Staff **Date:** June 25, 2021  
**Email:** Charles.bartel@denvergov.org **Representing (organization or self):** CCD

2) One proposal per this document is to be provided with clear and concise information.

Is a separate graphic file provided ( "X" to answer): \_\_\_ Yes or X\_ No

3) Highlight the code and acronym that applies to the proposal

| <u>Acronym</u> | <u>Code Name</u>                               | <u>Acronym</u> | <u>Code Name</u>                     |
|----------------|--|----------------|--------------------------------------|
| DBC-AP         | Denver Building Code–Administrative Provisions | IPC            | International Plumbing Code          |
| IBC            | International Building Code                    | IRC            | International Residential Code       |
| IECC           | International Energy Conservation Code         | IFGC           | International Fuel Gas Code          |
| IEBC           | International Existing Building Code           | <b>IMC</b>     | <b>International Mechanical Code</b> |
| IFC            | International Fire Code                        | DGC            | Denver Green Code                    |

## AMENDMENT PROPOSAL

Please provide all the following items in your amendment proposal.

**Code Sections/Tables/Figures Proposed for Revision:**  
**507 Commercial Kitchen Hoods**  
**507.1 General**

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**Proposal:**  
**Place an "X" next to the choice that best defines your proposal:** \_\_\_ Revision \_\_\_ New Text \_\_\_ Delete/Substitute x Deletion

507.1 General. Commercial kitchen exhaust hoods shall comply with the requirements of this section. Hoods shall be Type I or II and shall be designed to capture and confine cooking vapors and residues. A Type I or Type II hood shall be installed at or above appliances in accordance with Sections 507.2 and 507.3. Where any cooking appliance under a single hood requires a Type I hood, a Type I hood shall be installed. Where a Type II hood is required, a Type I or Type II hood shall be installed. Where a Type I hood is installed, the installation of the entire system, including the hood, ducts, exhaust equipment and makeup air system shall comply with the requirements of Sections 506, 507, 508 and 509.

**Exceptions:**

1. Factory-built commercial exhaust hoods that are listed and labeled in accordance with UL 710, and installed in accordance with Section 304.1, shall not be required to comply with Sections 507.1.5, 507.2.3, 507.2.5, 507.2.8, 507.3.1, 507.3.3, 507.4 and 507.5.
2. Factory-built commercial cooking recirculating systems that are listed and labeled in accordance with UL 710B, and installed in accordance with Section 304.1, shall not be required to comply with Sections 507.1.5, 507.2.3, 507.2.5, 507.2.8, 507.3.1, 507.3.3, 507.4 and 507.5. Spaces in which such systems are located shall be considered to be kitchens and shall be ventilated in accordance with Table 403.3.1.1. For the purpose of determining the floor area required to be ventilated, each individual appliance shall be considered as occupying not less than 100 square feet (9.3 m 2).
3. Where cooking appliances are equipped with integral down-draft exhaust systems and such appliances and exhaust systems are listed and labeled for the application in accordance with NFPA 96, a hood shall not be required at or above them.
4. ~~Smoker ovens with integral exhaust systems, provided that the appliance is installed in accordance with the manufacturer's installation instructions, is listed and tested for the application, and complies with Chapter 5.~~

**Supporting Information (Required):**

The current 2021 code language would allow smokers with integral exhaust systems to be exempted from Type 1 hood requirements per 507.1 IMC exception 4. This would apply to all smokers, regardless of the fuel type. In addition, the exception requires compliance with IMC Chapter 5, and this exception would be in conflict with other sections within Chapter 5..

Staff felt it necessary to talk to the proponent who wrote the code language for the IMC, Guy McMann, to see what he meant by exception 4. Guy's intent was for exception 4 to cover wood fired pizza ovens. Denver currently allows wood fired pizza ovens such as those at Carrabas to not have to be under a Type 1 hood if it is vented with a UL103 Type HT listed chimney complying with NFPA 96, Sections 14.1.1, 14.1.4, 14.3, 14.4, 14.6 and 14.1.5. Staff verifies these requirements for each piece of equipment proposed to be installed and does not feel that the exception is necessary, and in fact it is likely to cause confusion by leading the public to believe that all wood burning appliances can be installed per manufacturer's specs and not necessarily per code.

**Other Regulations Proposed to be Affected**

N/A

**Referenced Standards:**

N/A

**Impact:**

How will this proposal impact cost and restrictiveness of code? ("X" answer for each item below)

Cost of construction:    \_\_\_ Increase    \_\_\_x Decrease    \_\_\_ No Impact  
Cost of design:            \_\_\_ Increase    \_\_\_x Decrease    \_\_\_ No Impact  
Restrictiveness:         \_\_\_ Increase    \_\_\_x Decrease    \_\_\_ No Impact

**Departmental Impact (City use only):**

This amendment proposal increases/decreases/is neutral to the cost of plans review. decreases  
This amendment increases/decreases/is neutral to the cost of inspections. decreases